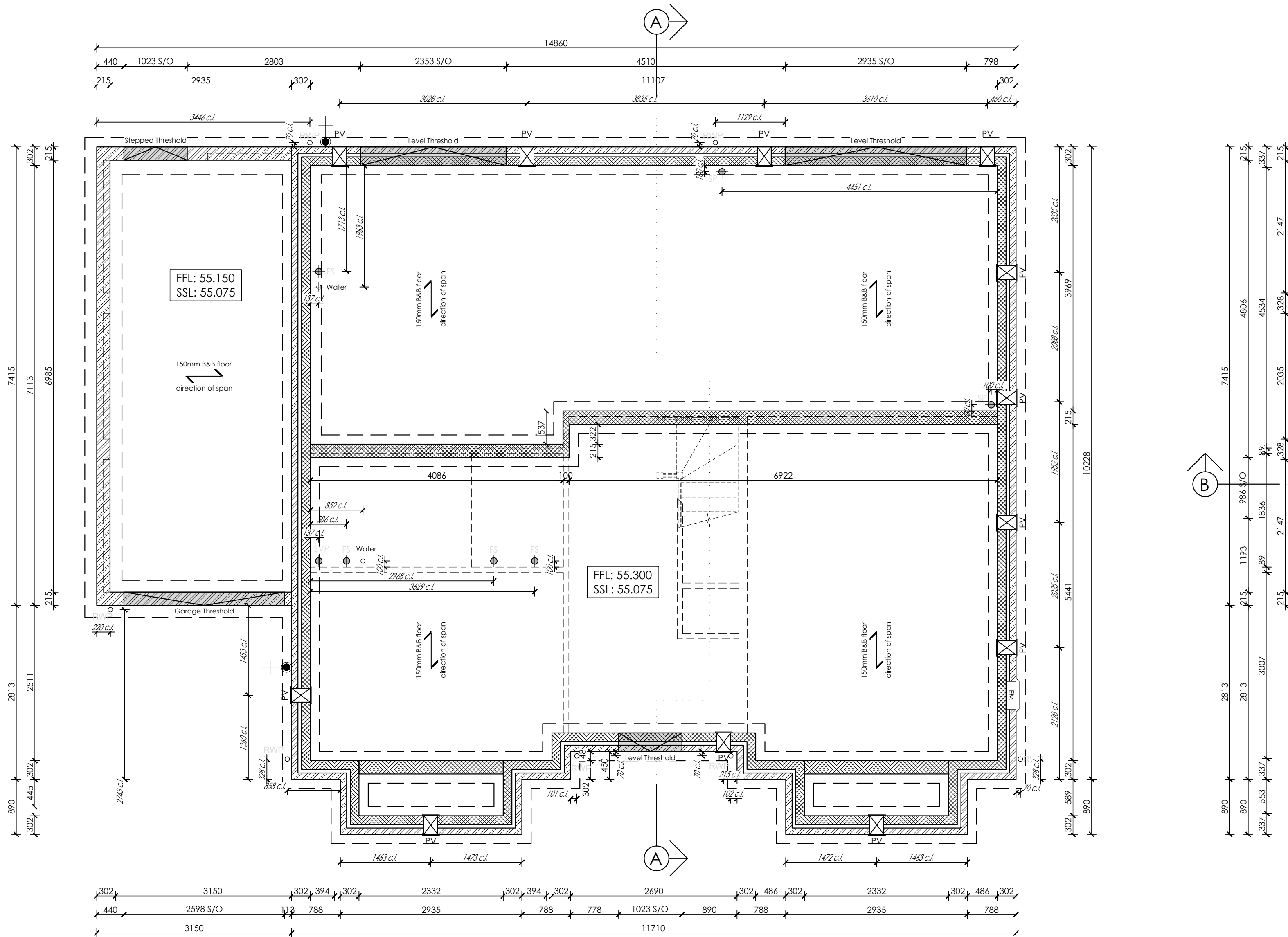
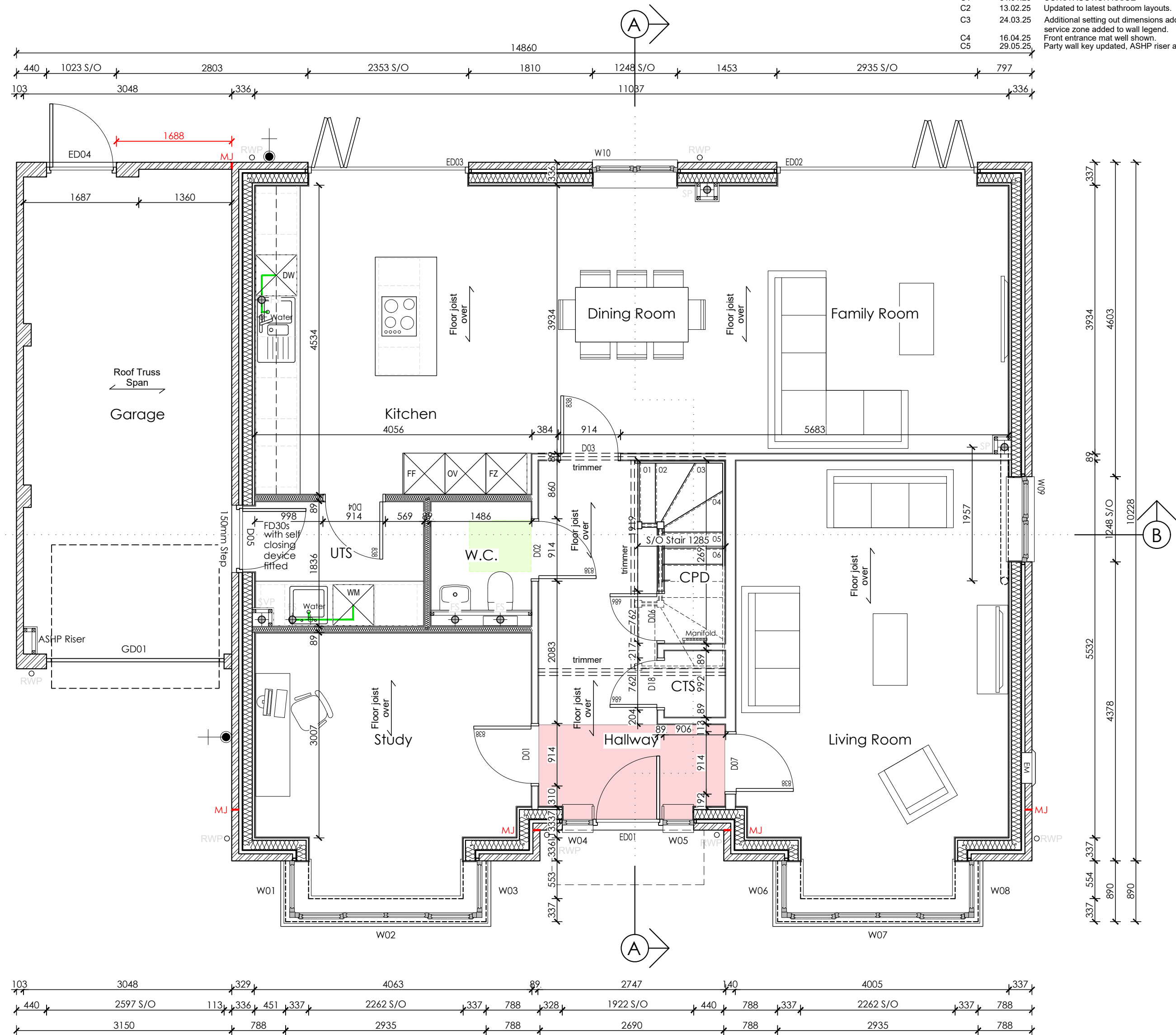


Rev:	Date:	Amendment:	Initial
T5	28.01.25	Garage wall construction amended, understair cupboard added, updated to clients comments.	JP
C1	31.01.25	CONSTRUCTION ISSUE	JP
C2	13.02.25	Updated to latest bathroom layouts.	JP
C3	24.03.25	Additional setting out dimensions added, 38mm service zone added to wall legend.	JP
C4	16.04.25	Front entrance mat well shown.	CA
C5	29.05.25	Party wall key updated, ASHP riser added.	JP



PLOT 8 - SUBSTRUCTURE PLAN



PLOT 8 - GROUND FLOOR PLAN

BELOW GROUND LEGEND

EXTERNAL WALL BELOW GROUND
301.5mm overall thickness comprising 102.5mm facing brickwork, 59mm cavity and 140mm Plasmar Stranlite 7.3N/mm² blockwork (Density 1350 - 1450kg/m³).

SUB-STRUCTURE DWARF WALL
comprising 2no. leaves of 100mm Plasmar Stranlite 7.3N/mm² blockwork (Density 1350 - 1450kg/m³), collar jointed in acc. with structural engineer's requirements. Total thickness: 215mm
Note: dashed lines indicate locations of load bearing blockwork above

SUB-STRUCTURE DWARF WALL
comprising 1no. leaf of 100mm & 1no. leaves of 140mm Plasmar Stranlite 7.3N/mm² blockwork (Density 1350 - 1450kg/m³), collar jointed in acc. with structural engineer's requirements. Total thickness: 255mm
Note: dashed lines indicate locations of load bearing blockwork above

Note: **ALL** blockwork below structural slab level to have a strength of 7.3 N/mm², in acc. with Structural Engineer's req's.

Beam and Block Structural Floor (refer to design layouts by specialist), comprising:
150mm thick beam & block floor system at c/c's & to setting out as manufacturer's req's.
Min. 65mm sand/cement screed floor finish, on continuous membrane & 100mm insulation.

150mm B&B floor
direction of span

GENERAL LEGEND

Floor joist over
Span direction of engineered joists at first floor

SVP SVP terminating through roof with tile vent

EX Mechanical extract duct terminating through roof with tile vent

FE Mechanical extract position on ceiling

OE Indicates Egress window for fire escape. Refer to window schedule.

OB Obscure glazing to window. Refer to window schedule.

Mat well to clients specification.

This Drawing to be read in conjunction with technical specifications summary, structural and consulting engineers drawings and details. Refer to Manufacturers Design and details. Ensure that all party walls are fire stopped and that the wall plate is stopped either side of party walls.

VENTILATION LEGEND

UNDERFLOOR VENTILATION:

PV Provide periscopic air brick ventilator to external walls (nominal free area 6170mm²) with telescopic sleeve, set out and installed in accordance with manufacturer's specifications, to provide either min. 1500mm²/m run of wall or 500mm²/m² of floor area, whichever gives the greater area (in accordance with Approved Documents, Part C, clause 4.19).

AB Provide cross ventilation holes / air bricks through internal sub-structure walls.

DRAINAGE LEGEND

RWP Rainwater Pipe

SVP Soil Pipe venting to outside through roof

SP Soil Pipe terminating with AAV at first floor

AAV Air admittance valve fitted to top of soil pipe

SS Stub Stack

FS Floor Socket

Plumbing above floor level

Plumbing within floor void

DRAINAGE NOTES:

- Where rainwater pipes do not have dimensions shown, their centre point is to be set out from the adjacent wall in accordance with manufacturer's bracket req's.
- Where foul drainage points do not have dimensions shown, their centre point is to be 100mm from the adjacent wall.
- All drainage setting out dimensions are to the centre line of the component / fitting.

SERVICES LEGEND

Water Incoming water supply location with stopcock

ET External Tap

MW Mains Water Intake

Gas Gas Mains Intake.

ELEC Electric Mains Intake.

BT BT Intake.

BT terminal mounted on wall. Refer to M&E consultants drawings for setting out.

WALL LEGEND

PARTY WALL BETWEEN DWELLINGS
309mm overall thickness, 2no. leaves comprising of 12.5mm Gyproc wallboard achieving a U Value of 0.19 W/m²K, 19mm Gyproc Wall Plank, 89mm insulated timber panel with mineral wool insulation to clients specification, 9mm OSB sheathing & 50mm cavity with 60mm mineral wool insulation to clients specification. Additional 35mm Service Zone Void and 12.5mm Gyproc wallboard where services are located.

INTERNAL WALL: LOAD-BEARING STUD
196.5mm overall thickness comprising 2no. layers of 12.5mm Gyproc wallboard, 9.5mm sheathing, 140mm insulated timber stud, 9.5mm sheathing and 12.5mm Gyproc wallboard

INTERNAL WALL: TIMBER STUD
114mm overall thickness timber stud partition comprising 89 x 38mm CLS timber studs with 12.5mm wallboard (moisture resistant) wallboard to be used in wet areas E.G. Bathroom etc) either side (min 9.8kg/m² nominal). Tape & Joint finish.

BUTRESS WALL
138mm overall thickness butress wall comprising 89 x 38mm CLS timber studs with 12mm plywood both sides and 12.5mm wallboard (moisture resistant wallboard to be used in wet areas E.G. Bathroom etc) either side (min 9.8kg/m² nominal). Tape & Joint finish.

Stud walls where indicated to receive 25mm lower AFR 1200 acoustic mineral fibre insulation to achieve sound reduction of 40dB. Locations indicated on drawings.

Stud walls with 9mm plywood fixed to face of stud to both or one side. Number location indicates side of wall ply is required.

Stud walls with 9mm plywood fixed to face of stud to both or one side. Number location indicates side of wall ply is required.

Movement joint to structural engineers details.

WALL LEGEND

EXTERNAL WALL: BRICKWORK
351.5mm overall thickness comprising 102.5mm facing brickwork, 50mm cavity, 9mm OSB Sheathing, 140mm insulated timber panel with 120mm cavity insulation to achieve a U value of 0.022W/m²K, 35mm Service Zone Void and 12.5mm Gyproc wallboard achieving a U Value of 0.19 W/m²K.

EXTERNAL WALL: WEATHERBOARD
9mm thick Cedar Lap weatherboard on 50 x 25mm treated S.W. battens fixed to external wall comprising 100mm Plasmar Stranlite 4.2N/mm² blockwork (Density 1350 - 1450kg/m³), 50mm cavity, 9mm OSB Sheathing, 140mm insulated timber panel with 120mm cavity insulation to achieve a U value of 0.022W/m²K, 35mm Service Zone Void and 12.5mm Gyproc wallboard achieving a U Value of 0.19 W/m²K.

EXTERNAL WALL: BRICKWORK
351.5mm overall thickness comprising 102.5mm facing brickwork, 50mm cavity, 9mm OSB Sheathing, 140mm insulated timber panel with 120mm cavity insulation to achieve a U value of 0.022W/m²K, 38mm Service Zone Void and 12.5mm Gyproc wallboard achieving a U Value of 0.19 W/m²K.

EXTERNAL WALL: WEATHERBOARD
9mm thick Cedar Lap weatherboard on 50 x 25mm treated S.W. battens fixed to external wall comprising 100mm Plasmar Stranlite 4.2N/mm² blockwork (Density 1350 - 1450kg/m³), 50mm cavity, 9mm OSB Sheathing, 140mm insulated timber panel with 120mm cavity insulation to achieve a U value of 0.022W/m²K, 38mm Service Zone Void and 12.5mm Gyproc wallboard achieving a U Value of 0.19 W/m²K.

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Client: TROY HOMES

Project: LODGE COURT TURNPIKE LANE, ICKLEFORD HITCHIN, SG5 3UZ

Drawing: HOUSE TYPE 08 Substructure & Ground Floor Plans Plot 08

Scale: 1:50 @ A1 Date: June 2024

Drawn By: Checked By: Drawing No: TH152_A_PL_08_001 Rev: C5

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All dimensions to be checked on site or in the workshop before work commences.
Only figured dimensions to be worked to.
Any discrepancies to be reported to the drawing originator.